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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/785,011	02/16/2001	Derek X. Wang	P5526 US	4072

24726 7590 05/20/2004

SUN MICROSYSTEMS INC
4120 NETWORK CIRCLE
MS USCA12-203
SANTA CLARA, CA 95054

EXAMINER

HUYNH, KIM T

ART UNIT	PAPER NUMBER
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2112

DATE MAILED: 05/20/2004

4

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/785,011

Applicant(s)

WANG ET AL.

Examiner

Kim T. Huynh

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Hiraie et al. (US Patent 5,995,718)

As per claims 1, 8, Hiraie discloses a method for transmitting arbitrary font data to an output device, said method comprising: (col.6, lines 27-64)

- determining whether rendering information for the font data to be transmitted is resident on the output device; and (col.6, line 65-col.7, line 10)
- if the rendering information for the font data to be transmitted is not resident on the output device, transmitting to the output device rendering information for the font data to be transmitted. (col.6, line 65-col.7, line 16)

As per claim 15, Hiraie discloses an apparatus comprising:

- a processor; (fig.2, 2001)
- a memory coupled to said processor, and storing computer code implementing a method of transmitting arbitrary font data to an output device wherein upon execution of said method on said processor, said method comprises: (col.5, lines 1-21), (col.6, line 27-col.7, line 16)

- determining whether rendering information for the font data to be transmitted is resident on the output device; and (col.6, line 65-col.7, line 10)
- if the rendering information for the font data to be transmitted is not resident on the output device, transmitting to the output device rendering information for the font data to be transmitted, wherein the rendering information comprises glyph information and bitmap data associated with an image. (col.6, line 7, line 67)

As per claims 2, 9, 17, Hiraiki discloses the output device comprises a printer. (fig.2, 1000)

As per claims 3, 10, Hiraiki discloses wherein the rendering information for the font data to be transmitted comprises glyph information and bitmap data associated with an image. (col.8, lines 16-26)

As per claims 4, 11, 16, Hiraiki discloses wherein the rendering information for the font data to be transmitted further comprises position data specifying a location for rendering the image. (col.8, lines 6-15)

As per claims 5, 12, 18, Hiraiki discloses wherein the font data to be transmitted comprises a character identifier associated with a character image. (col.8, lines 6-15), (col.14, claim 3, lines 7-17)

As per claims 6, 13, 19, Hiraiki discloses wherein the character identifier comprises either a single byte identifier including one data byte or a multiple byte identifier including two or more data bytes. (col.7, lines 45-62)

As per claims 7, 14, 20, Hiraie discloses wherein the character image comprises an ideographic character. (col.8, lines 5-15)

Response to Amendment

3. Applicant's amendment filed on 2/24/04 have been fully considered but are moot in view of the new ground(s) of rejection.

a. In response to applicant's argument that Chang fails to disclose transmitting to an output device rendering information for font data that is to be transmitted to the output device, if the rendering information for the font data to be transmitted is not resident on the output device, transmitting to the output device rendering information for the font data to be transmitted. However, as Hiraie notes at col.5, lines 1-21), discloses a font ROM stored font data to be used in the generation of the output information and stores information to be used on the host computer in case of a printer not provided with the external memory. The CPU is rendered capable of communication with the host computer through an input, thus being capable of information the host computer. Furthermore, the host arbitrarily determines the memory capacity to be reserved without consideration of the available capacity in the registration memories of the printer. In response to the registration memory request command issued by the host, the printer effects reservation of the registration memory, and then returns, to the host, registration memory reservation information indicating whether the registration memory has been successfully reserved or not. Based on the information if the registration memory could be reserved, the host executes the font registration within such reserved memory capacity. (col.6, line 67-col.7, line 16)

Thus, the prior art teaches the invention as claimed claims do not distinguish over the prior art as applied.

Conclusion

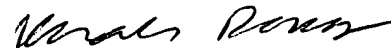
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kim Huynh whose telephone number is (703)305-5384 or via e-mail addressed to [kim.huynh3@uspto.gov]. The examiner can normally be reached on M-F 8:30AM- 6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on (703) 305-4815 or via e-mail addressed to [mark.rinehart@uspto.gov]. The fax phone numbers for the organization where this application or proceeding is assigned are (703)872-9306 for regular communications and After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)306-5631.

Kim Huynh

May 13, 2004



Khanh Dang
Primary Examiner